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L35	L34 and text same stream	2	L35
L34	5724556.uref.	26	L34
L33	L31 and binary same stream	0	L33
L32	L31 and text same stream	0	L32
L31	L30 and database	2	L31
L30	5724556.pn.	2	L30
L29	l11 and l20	21	L29
L28	l11 and l21	4	L28
L27	L26 and text and binary same stream	1	L27
L26	L21 and l25	8	L26
L25	4558413.uref.	393	L25
L24	4558413.pn.	2	L24
L23	5386559.pn.	2	L23
L22	L21 and databases	19	L22
L21	L20 and item same versions	20	L21
L20	("source code control system" or "ssc system")	146	L20
L19	L18 and ("source code control system" or "ssc system")	10	L19
L18	L17 and program	483	L18
L17	(database or data with base) near (item or data) same version$	563	L17
L16	(((713/1)!.CCLS.))	954	L16
L15	(((713/$)!.CCLS.))	14807	L15
L14	(((709/106)!.CCLS.))	339	L14
L13	(((709/102)!.CCLS.))	662	L13
L12	(((709/101)!.CCLS.))	244	L12
L11	(((709/$)!.CCLS.))	25491	L11
L10	(((707/$)!.CCLS.))	15691	L10
L9	(((707/203)!.CCLS.))	825	L9
L8	(((707/206)!.CCLS.))	346	L8
L7	(((707/200)!.CCLS.))	1251	L7
L6	(((707/104.1)!.CCLS.))	2352	L6
L5	(((707/100)!.CCLS.))	1566	L5
L4	(((707/10)!.CCLS.))	2959	L4
L3	((707/1)!.CCLS.)	2389	L3
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1 **Expert system for control purpose based on CLIPS**
Simo, J.; Martinez, M.; Morant, F.; Crespo, A.;
Electrotechnical Conference, 1994. Proceedings., 7th Mediterranean , 12-14 Apr 1994
Page(s): 254 -257 vol.1

[Abstract] [PDF Full-Text (272 KB)] **IEEE CNF**

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2 **Facilitating program comprehension via generic components for state machines**
Weidl, J.; Klosch, R.R.; Trausmuth, G.; Gall, H.;
Program Comprehension, 1997. IWPC '97. Proceedings., Fifth International Workshop on , 28-30 Mar 1997
Page(s): 118 -127

[Abstract] [PDF Full-Text (872 KB)] **IEEE CNF**

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3 **Writing fuzzy rules directly in a C++ source code**
Costa de Oliveira, M.; Rocha Facury, M.A.;
Fuzzy Systems, 1996., Proceedings of the Fifth IEEE International Conference on , Volume: 1 , 8-11 Sep 1996
Page(s): 522 -528 vol.1

[Abstract] [PDF Full-Text (516 KB)] **IEEE CNF**

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4 **A prototype framework of tools for the design of real-time distributed control software**
Bass, J.M.; Browne, A.R.; Croll, P.R.; Fleming, P.J.;
Control, 1994. Control '94. Volume 2., International Conference on ,

21-24 Mar 1994
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[Abstract] [PDF Full-Text (348 KB)] **IEE CNF**

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5 **The Consensus approach to intelligent systems engineering**
Smith, R.; Slade, A.;
Intelligent Systems Engineering, 1992., First International Conference on (Conf. Publ. No. 360) , 19-21 Aug 1992
Page(s): 86 -91

[Abstract] [PDF Full-Text (400 KB)] **IEE CNF**

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6 **Transmission of graphic image data to mobile terminals**
Brewster, R.L.; Jalal, R.S.;
GSM and PCN Enhanced Mobile Services, IEE Colloquium on , 30 Jan 1991
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7 **Enabling software traceability**
Tilbury, A.J.M.;
Application of Computer Aided Software Engineering Tools, IEE Colloquium on , 17 Feb 1989
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[Abstract] [PDF Full-Text (224 KB)] **IEE CNF**

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8 **On_Time: a high level real time language environment based on a portable operating system featuring feasible and fault tolerant scheduling**
Halang, W.A.; Henn, R.;
Software Engineering for Real Time Systems, 1989., Second International Conference on , 18-20 Sep 1989
Page(s): 121 -125

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9 **Personal and thin-route communications via K-band satellite transponders**
Fang, R.J.F.;
Military Communications Conference, 1991. MILCOM '91, Conference Record, 'Military Communications in a Changing World'., IEEE , 4-7 Nov 1991
Page(s): 1177 -1182 vol.3

[Abstract] [PDF Full-Text (380 KB)] **IEEE CNF**

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10 **A DB/DC platform for real-time operating systems based on CTRON specifications**
Nishihara, T.; Kikuchi, J.; Takehisa, T.;
TRON Project Symposium, 1992. Proceedings., Ninth , 2-4 Dec 1992
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11 **CLAS: a reverse engineering tool**
Bhattacharjee, A.K.; Seby, A.; Sen, G.; Dhodapkar, S.D.;
Software Testing, Reliability and Quality Assurance, 1994. Conference Proceedings., First International Conference on , 21-22 Dec 1994
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12 **A CAD tool to implement real-time fuzzy controllers on DSPs**
del Campo, I.; Tarela, J.M.;
Real-Time Systems, 1995. Proceedings., Seventh Euromicro Workshop on , 14-16 Jun 1995
Page(s): 323 -326

[Abstract] [PDF Full-Text (312 KB)] **IEEE CNF**

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13 **New developments in bond graph modeling software tools: the computer aided modeling program CAMP-G and MATLAB**
Granda, J.J.; Reus, J.;
Systems, Man, and Cybernetics, 1997. 'Computational Cybernetics and Simulation'., 1997 IEEE International Conference on , Volume: 2 , 12-15 Oct 1997
Page(s): 1542 -1547 vol.2

[Abstract] [PDF Full-Text (572 KB)] **IEEE CNF**

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14 **Performance analysis of integrated voice/data transmission in slotted CDMA packet radio communication networks**
Wuyi Yue; Matsumoto, Y.;
Global Telecommunications Conference, 1998. GLOBECOM 98. The Bridge to Global Integration. IEEE , Volume: 6 , 1998
Page(s): 3288 -3294 vol.6

[Abstract] [PDF Full-Text (444 KB)] **IEEE CNF**

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15 **Documentation meets version control: an automated backup system for HTML-based help**

Green, R.;

IPCC/SIGDOC 2000. Proceedings. Technology & Teamwork , 2000

Page(s): 541 -548

[Abstract] [PDF Full-Text (476 KB)] **IEEE CNF**

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L27: Entry 1 of 1 File: USPT Feb 28, 1989

DOCUMENT-IDENTIFIER: US 4809170 A
**** See image for Certificate of Correction ****
TITLE: Computer device for aiding in the development of software system

Brief Summary Text (5):
UNIX/PWB--designed to run on AT&T's UNIX programming environment, includes the SCCS source code control system and the MAKE configuration tool.

Brief Summary Text (6):
RCS--a more powerful source code control system that also runs on UNIX systems.

Brief Summary Text (8):
ALS--the Ada Language System, was developed to meet the Stoneman requirements for an Ada programming support environment. ALS includes an Ada compiler, debugger, binder, and execution environment. In addition, the ALS has a source code control system that keeps successive generations and variants of packages. The ALS does not have a single configuration management tool, but provides the primitives needed to build one. The ALS Ada compiler/linker detects the need to recompile (as required by the Ada standard).

Brief Summary Text (11):
MAKE looks at each item in a "makefile" and finds its "date/time modified" entry (DTM). If the DTM of an object pre-dates the DTM of any of the objects it depends on, the object is rebuilt. This DTM based approach is fine when you are trying to build a system from all "most recent" sources; but, it fails to deal with the more typical, more complicated cases involving old versions, variant branches, or multiple targets. Moreover, MAKE is very "binary" oriented; the user must describe the system in terms of the object modules that go into it, rather than in terms of the source modules. MAKE supports a dynamic style of development, in which each user sees other users' changes as soon as they become available.

Brief Summary Text (18):
Source Code Control System User's Guide

Detailed Description Text (4):
A DSEE product goal requires that it work with any language or text processor; in addition, that users be able to pick any editor. As will be seen, in order to accomplish its various objects, parts of DSEE were incorporated into the operating system. Thus, without changes to any existing tools, the compilers, editors, print spoolers, etc. are all able to understand DSEE file formats and obey DSEE Configuration Manager version constraints. This powerful capability distinguishes DSEE from all of the prior art systems described above under Background of the Invention.

Detailed Description Text (26):
The use of deltas saves an enormous amount of space. Statistics on typical Pascal modules managed by the HM showed that each new version makes the delta file about 1%-2% larger. In other words, 50-100 versions of a module can be stored in the same amount of space as two copies of that module. These space savings answer the challenge of those who say that source code control systems use too much disk space and that users should just keep each module and a current backup copy.

Detailed Description Text (27):
In addition to deltas, DSEE saves space by compressing leading blanks in source files to a space count byte. Again, the savings are enormous. Statistics on Pascal modules held by the HM showed that 20% of each module consists of leading blanks. The combination of deltas and space compression leads to an interesting phenomenon:

a typical History Management element, with five to ten versions, is often smaller than a single clear text copy of that element.

Detailed Description Text (28):
DSEE/HM, like SCCS, uses "interleaved" deltas; that is, there is only one file containing all of the versions of an element. Intermixed control records allow the source code control system to extract any version of the element in a single pass over the file. By comparison, RCS uses "separate" deltas; that is, a whole, plain text copy of the most recent version is kept along with deltas describing how to go "backwards" from the current version to old versions. RCS can provide the most recent version very quickly, but has more trouble implementing variant branches. DSEE uses a variant of the delta algorithm. This choice was made for functionality reasons, not for performance. The ability to construct any version of an element in a single pass over the interleaved delta file is a critical feature in the implementation of DSEE "extended streams" . Extended streams is the single most important novel aspect of the present invention and provides ordinary, unmodified programs transparent access to any version of a DSEE element. No prior art CASE system offers this important advantage.

Detailed Description Text (38):
In addition to a number of binaries and BCT's, each build results in a Build Version Specifier. A user can list all existing Build Version Specifications. Given a Build Unit Specifier, DSEE can find the BCT in the pool that corresponds to that build. A release consists of the system that was built, its BCT, and keywords that describe the system. These items are stored in a safe, stable database. Optionally, a shapshot of source code and derived objects can be made. DSEE can perform various checks by analyzing the BCT; for example, it can warn when more than one version of the same element is used. Later, when a bug is reported in a released version of the system, the maintainers can use keywords to locate the version in the database and find the BCT--which will describe the exact versions used in the system. Since the History Manager has all of the old sources, users can base their CT on the BCT of the release, thereby re-establishing the environment that existed when the release was made. By making minor edits to an explicit CT, users can fix bugs without disturbing most modules of the system.

Detailed Description Text (39):
DSEE can create a shell in which all programs executed in that shell window transparently read the exact version of an element requested in the user's Configuration Thread. The History Manager, Configuration Manager, and extensible streams mechanism (described above) work together in this way to provide a "time machine" that can place a user back in an environment that corresponds to a previous release. In this environment, users can print the version of a file used for a prior release, and can display a read-only copy of it. In addition, the compilers can use the "include" files as they were, and the source line debugger can use old binaries and old sources during debug sessions. All of this is done without making copies of any of the elements.

US Reference Patent Number (9):
4558413